



netPIX-rage

HIGH-END GRAPHICS CONTROLLER
 FOR VISUAL DISPLAY SYSTEMS

PRODUCT DESCRIPTION netPIX-rage

The netPIX-rage is a high-end controller especially designed for the display and playout of network-based sources and direct contents on video walls and high resolution displays.

Excellent 3D acceleration, external genlock-capability and clustering capability, make our new netPIX-rage a first choice for applications in control rooms and broadcast where high performance is required.

The netPIX-rage controllers allow their users to control medium to large video walls in addition to individual displays. The individual outputs can be operated either separately or as a ‚stretched desktop‘. Thanks to its high performance, any content can be played out smoothly and loss-less on the connected displays and stretched desktops.

Contents may include IP streams, desktop captures, simple documents, image files, 4K video files, and multimedia presentation software. For an comprehensive administration of the system, we recommend our enterprise wall management software eyeUNIFY.

This makes the netPIX-rage an uncompromising power package for all customers who want to present their content in the best quality even in demanding 24/7 operation.

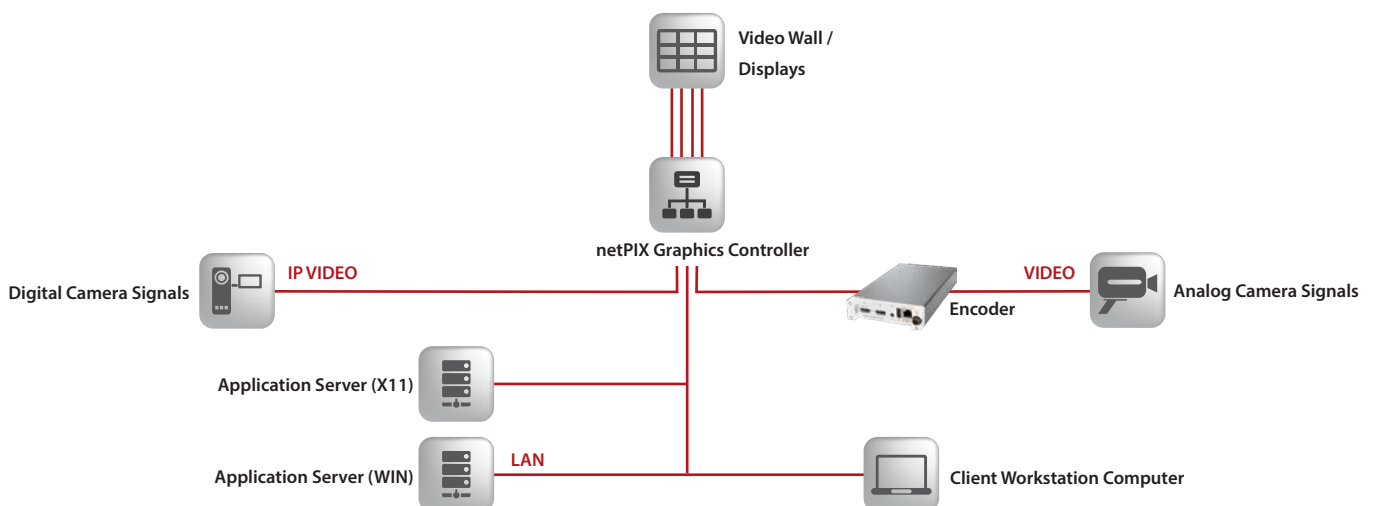
Application areas

- Computing intensive 3D applications
- Best performance for video-/graphics applications
- Control of video walls in control rooms and presentation areas

The advantages of the netPIX-rage controller at a glance

- High-end video wall controller for the operation of video walls in control rooms and presentation areas
- Free scaling and positioning of the image signals on the connected displays and video walls
- Latest, future-proof IT hardware for multi-display applications
- Hardware platform for video management software, e.g. eyeUNIFY from eyevis
- Operational safety through the use of industrial components and redundant power supplies
- Windows- and Linux-based systems available

SYSTEM OVERVIEW



netPIX-range

HIGH-END GRAPHICS CONTROLLER FOR VISUAL DISPLAY SYSTEMS

TECHNICAL SPECIFICATIONS

netPIX-range CONTROLLER UNIT netPIX-rangeRT-Controller-Unit-G1.0

Processor:	Intel® Xeon® Processor E5-2603 v4 (6 Cores, 1.70GHz, 15MB SmartCache) (optional: up to 2x Intel® Xeon® Processor E5-2643 v4 (6 Cores, 3.70GHz, 20MB SmartCache))
RAM:	16GB, optionally up to 64GB
Expansion Slot:	7x PCIe 3.0 (Quad x16 + Single x8 / Triple x16 + Triple x8 / Dual x16 + Quintuple x8)
Storage:	RAID1 240GB SSD, optionally up to 960GB SSD or 1TB HDD
Network:	2x 10/100/1000 Mbps RJ45 Ports Onboard
Management:	1x 10/100/1000 Mbps RJ45 Management Port Integrated BMC important IPMI
Dimensions (WxHxD):	431 x 177 x 568 mm (16.9" x 6.9" x 22.4")
Weight:	24.0 kg
Operating Conditions:	Temperature: 0°C - 40°C (32°F - 104°F) / Humidity: 10 - 90% not condensing / Altitude: up to 3,048 m (10,000 ft)
Power Supply:	100-240 V, 50-60Hz, redundant, HotSwap 860 Watt
Operating System:	Windows 10 64-Bit IoT Enterprise LTSB 2016, Windows Server 2012R2 Standard 64Bit
Equipment (optional):	104-key keyboard, 2-key-wheel/button-mouse (optional with extension cable up to 50 metres), signal-cable for eyevis Cubes/Displays (fibre optic)

netPIX-range OUTPUT CARDS	netPIX-rangeOUT-4-DP-QP1-1	netPIX-rangeOUT-4-DP-QP4-1	netPIX-rangeOUT-4-DP-QP5-1
Graphic Memory:	4GB GDDR5 128-bit	8GB GDDR5 256-bit	16GB GDDR5X 256-bit
Outputs:	4x Mini DisplayPort 1.4	4x DisplayPort 1.4	4x DisplayPort 1.4 1x DVI-D Dual-Link
Resolutions:	4x 4.096 x 2.160 @ 60Hz 4x 5.120 x 2.880 @ 60Hz	4x 4.096 x 2.160 @ 120Hz 4x 5.120 x 2.880 @ 60Hz	1x 7.680 x 4320 @ 30Hz (DisplayPort) 4x 4.096 x 2.160 @ 120Hz (DisplayPort) 4x 5.120 x 2.880 @ 60Hz (DisplayPort) 1x 2.560 x 1.600 @ 60Hz (Dual-Link DVI)
HDCP Support:	HDCP 2.2	HDCP 2.2	HDCP 2.2
Supported Graphic Standards:	- DirectX® 12 - OpenGL® 4.5 - Shader model 5.1 - Vulkan 1.0	- DirectX® 12 - OpenGL® 4.5 - Shader model 5.1 - Vulkan 1.0	- DirectX® 12 - OpenGL® 4.5 - Shader model 5.1 - Vulkan 1.0

netPIX-range SYNC CARD

netPIX-rangeOUT-sync-QS-2

BUS:	PCIe (mechanical only)
Connections:	2x 100/1000 Base-T RJ45 Ethernet Port 1x BNC 4x NVIDIA Sync® Connectors
Input Specifications:	External timing source (synchronisation of screens and projectors with external clock sources)
Output Specifications:	Multi-GPU Mosaic (Synchronization of multiple GPUs) Frame Lock (Synchronization of multiple Displays/Indicators)